

Code No: **R4205B**

R10

Set No. 1

IV B.Tech II Semester Supplementary Examinations, April/May - 2017

MULTIMEDIA AND APPLICATION DEVELOPMENT

(Common to Computer Science & Engineering and Information Technology)

Time: 3 hours**Max. Marks: 75**

Answer any FIVE Questions

All Questions carry equal marks

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| 1 | a) Briefly present the history of multimedia. | [8] |
| | b) Discuss in detail about GIF file format. | [7] |
| 2 | a) Explain about NTSC TV video standard. | [7] |
| | b) Define and discuss about the terms SNR and SQNR. | [8] |
| 3 | a) Illustrate with examples, the Lempel-Ziv-Welch compression algorithm. | [7] |
| | b) Differentiate between Uniform Scalar Quantization and Non-Uniform Scalar Quantization. | [8] |
| 4 | a) Illustrate and explain about a three-level hierarchical search for motion vectors. | [7] |
| | b) How MPEG is different from H.261? Explain the motion compensation in MPEG-1. | [8] |
| 5 | a) What are the important parameters of QoS for multimedia data transmission? | [7] |
| | b) Draw and explain general architecture of Set-top Box. | [8] |
| 6 | a) Present the key and distinguished features of Action Script. | [7] |
| | b) Explain about typecasting in Action Script with examples. | [8] |
| 7 | a) How multiple type inheritance can be implemented with Interfaces? Give an example. | [8] |
| | b) Explain with example how multiple exception types can be handled in Action Script. | [7] |
| 8 | a) Explain about .fla and .swf files. | [7] |
| | b) Write an Action Script program that creates a login dialogue, with username and password fields and a submit button. | [8] |